

Cicero, when he was recalled from his mission, was met by the people in the place he passed, meeting him with shouts of joy and congratulation, and all Rome coming out to receive him.

Regular, when he went out of Rome attended by his friends to the gates, and returned to Carthage according to his word of honor—although he knew he must be put to a cruel death, for advancing the Romans to pursue their war with that country.

Scipio the Elder, when he dismissed a beautiful captive lady presented to him by a great victory, turning his head aside to see her no more.

The same Scipio when he and Hannibal met before the battle, if the fact be true.

Cincinnatus, when the messengers sent

by the Senate to make him Dictator, found him at the plough.

Eppamondas, when the Persian ambassador came to his house, and found him in the midst of poverty.

Virgil, when at Rome, the whole audience rose up, out of veneration, as he entered the theater.

Mahomet the Great, when he cut off his beloved mistress' head on a stage erected for that purpose, to convince his soldiers, who taxed him for preferring his love to his glory.

Ruffin, when he queried a mutiny in Hyde Park.  
 Robert Harley, Clerk of Oxford, at his trial.  
 Cato, of Utica, when he provided for the safety of his friends, and had determined to die.  
 Sir Thomas Moore, during his imprisonment, and at his execution.  
 Marcus, when the soldier sent to kill him in the afternoon was struck with so much awe and veneration that his sword fell from his hand.  
 Douglas, when the ship he commanded was wrecked, and he lay down to die in it, because it should not be said that one of his family ever quitted the post.  
 11.  
 Of those who have made a mean or contemptible figure in some action or circumstance.

Antony, at Aulum, when he fled after Cleopatra.

Pompey, when he was killed on the seashore in Egypt.

Nero and Vitellius, when they were put to death.

Lepidus, when he was compelled to lay down his share of the Triumvirate.

Crenwell, the day he refused the kingship out of fear.

Pereus, King of Macedonia, when he was led in triumph.

Richard the Second of England, after he was deposed.

King James the Second of England, when the Prince of Orange sent to him at his death.

King William the Third of England, when he sent to beg the House of Commons to continue his Dutch guards, and

Queen Anne of England, when she sent Whitworth to Moscow on an embassy of humiliation, for an insult committed here on that Prince's ambassador.

**SOME SCIENTIFIC MEMORANDA.**

It is reported that Professor J. Lawrence Smith, of Louisville, Ky., lately discovered in a native iron which was found in 1875 in the Province of St. Catarina, Brazil, a singular physical property that in its nature combined the qualities of iron attracted by the magnet, but if a fragment is heated to redness and then cooled there is manifested a magnetic property with the usual force.

The British postal telegraph system seems to be making very satisfactory progress. When private companies owned the

year the last year's work over they performed.

Last year the Postoffice forwarded 31,000, 000 telegrams. Fifty thousand miles of wire in 1870 had increased to more than 600,000 miles. The number of men who worked by all the companies had increased to nearly 9,000 worked by the Postoffice, and 2,500 telegraph offices under the old system.

The following are some of the interesting facts taken from a lecture by R. W. Johnston, which has just been published:

Dr. P. Ebell, of Hanover, draws attention to the use of peroxide of hydrogen in dentistry. Sauer made successful experiments with it in bleaching discolored and stained teeth. He found where the teeth are colored with matter, peroxide of hydrogen, etc., he uses peroxide of hydrogen

In conjunction with finely levigated pumice as a means of cleaning in the place of water. The material is made up of which were filled with colored matter, become somewhat paler after several applications. A suitable liquid for cleaning is made up of 10 parts of water, 1 part of peroxide of hydrogen, and 1 part of water. In case of carious teeth the peroxide of hydrogen, alone, applied with wadding, gave good results.

The *Saturday Engineer* makes a strong protest against the reckless waste of the water supply of all our cities. It says: "The water supply of our cities is a precious use of water. It is simply a waste of water to leak and the checking of carelessness. The way to stop the waste which does injury to the city is to make the consumer responsible for the use of water."

on his premises and the closing of his faucets when water is not being used. The amount of water he may use is not what he pays for. He is charged for water thrown away. In 1881 New York county paid into the city treasury \$1,600,000. In addition to that the taxpayers paid for the water supply. The amount was the amount which property contributed to erect tax to the maintenance of the water supply. Why does property have to pay the cost of the water supply?

Pattison Mr. gives this method for detecting tin in the presence of antimony. It is based on the fact that stannic chloride is reduced to stannous chloride by boiling with copper. The precipitated sulphides of copper, iron, lead, and arsenic with concentrated hydrochloric acid. The insoluble portion is washed and tested

tion is somewhat similar to that of the solution in which the platinum must be dissolved. One-fourth of it is boiled for at least ten minutes with open turnings (which must, of course, be free from tin), poured off from the residue, and the solution is concentrated by adding mercuric chloride. The remaining smaller portion of the solution is poured on to a plate of platinum, surface of which is tested for stannous chloride by adding mercuric chloride. If the platinum becomes covered with a black deposit it is removed and examined in the ordinary way.

Paul W. Haselick, in a paper on the art of assaying, says that an attempt to trace its progress was not made until the 17th century, but very speculative, as there are few indispensable data on which to base a connected history. But the rude appliances of the alchemists, and the crude methods of the present, Long before the discovery

worked by crank was invented or used lathe were driven by the aid of a spring. The crank was made of wood, and was taken from the modern drill box. Now turned both the art itself as well as the object produced—has been so perfected that it is now possible to finish the range of its application. The lathe is the descendant of a former lathe. As skill has increased, so have the productions of the lathe increased in perfection. The center lathe gave the means of turning the lathe, and from the latter gave birth to the screw-cutting lathe; and so on through all the innumerable varieties of the tool now in everyday use. As the lathe is the most useful machine now wanted, they can be made in large numbers, and as the lathe is the machine now available. If mechanism is to be confined to a greater perfection than it is now, the tools to do it can be made on the lathe.

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Snow fell at Lakeview, Or., to a depth of two inches on the 7th inst.

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